



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

**Subject: Analytical Testing Results - Project R07S28
SDG: 07187C**

**From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2**

**To: Chris Lichens
Site Cleanup Section 4
SFD-7-4**

Attached are the results from the analysis of samples from the **Omega Chemical OU2 Winter 2007 IDW Profiling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this

TPH - Purgeable



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Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens

Project Number: R07S28

Project: Omega Chemical OU2 Winter 2007 IDW
Profiling

Site Cleanup Section 4

**75 Hawthorne Street
San Francisco CA, 94105**

SDG: 07187C

Reported: 07/11/07 08:19

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Collected | Date Received |
|---------------------|---------------|--------|----------------|----------------|
| OC2-MW30IDW-W-0-572 | 0707006-01 | Water | 07/05/07 11:30 | 07/06/07 10:00 |
| OC2-MW27IDW-W-0-573 | 0707006-02 | Water | 07/05/07 12:30 | 07/06/07 10:00 |
| OC2-MW26IDW-W-0-574 | 0707006-03 | Water | 07/05/07 14:30 | 07/06/07 10:00 |
| OC2-MW23IDW-W-0-575 | 0707006-04 | Water | 07/05/07 15:30 | 07/06/07 10:00 |
| OC2-MW24IDW-W-0-576 | 0707006-05 | Water | 07/05/07 16:30 | 07/06/07 10:00 |

Work Order 0707006

TPH-Purgable Analysis:

Values reported as TPH as Gasoline were primarily due to an individual peaks appearing in the gasoline retention time range. A chromatographic pattern for gasoline was not observed. Values are marked with a "F1" comment flag to indicate this. See the method 524.2 GC/MS volatiles results for determination of individual volatile analytes.



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Sample Results

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---------------------------------------|--------|--------------------------|-----------------------|---------|---------|----------|----------|--|
| Lab ID: 0707006-01 | | | | | | | | Water - Sampled: 07/05/07 11:30 |
| Sample ID: OC2-MW30IDW-W-0-572 | | | | | | | | Purgeable Petroleum Hydrocarbons by EPA Method 8015B |
| TPH as Gasoline | 150 | F1 | 50 | ug/L | B7G0018 | 07/06/07 | 07/06/07 | 8015B/SOP380 |
| Surrogate: a,a,a-Trifluorotoluene | 131 | | 105 % | 70-130% | " | " | " | |
| Lab ID: 0707006-02 | | | | | | | | Water - Sampled: 07/05/07 12:30 |
| Sample ID: OC2-MW27IDW-W-0-573 | | | | | | | | Purgeable Petroleum Hydrocarbons by EPA Method 8015B |
| TPH as Gasoline | 52 | F1 | 50 | ug/L | B7G0018 | 07/06/07 | 07/06/07 | 8015B/SOP380 |
| Surrogate: a,a,a-Trifluorotoluene | 127 | | 102 % | 70-130% | " | " | " | |
| Lab ID: 0707006-03 | | | | | | | | Water - Sampled: 07/05/07 14:30 |
| Sample ID: OC2-MW26IDW-W-0-574 | | | | | | | | Purgeable Petroleum Hydrocarbons by EPA Method 8015B |
| TPH as Gasoline | 31 | C1, F1, J | 50 | ug/L | B7G0018 | 07/06/07 | 07/06/07 | 8015B/SOP380 |
| Surrogate: a,a,a-Trifluorotoluene | 124 | | 99 % | 70-130% | " | " | " | |
| Lab ID: 0707006-04 | | | | | | | | Water - Sampled: 07/05/07 15:30 |
| Sample ID: OC2-MW23IDW-W-0-575 | | | | | | | | Purgeable Petroleum Hydrocarbons by EPA Method 8015B |
| TPH as Gasoline | 93 | F1 | 50 | ug/L | B7G0018 | 07/06/07 | 07/06/07 | 8015B/SOP380 |
| Surrogate: a,a,a-Trifluorotoluene | 131 | | 105 % | 70-130% | " | " | " | |
| Lab ID: 0707006-05 | | | | | | | | Water - Sampled: 07/05/07 16:30 |
| Sample ID: OC2-MW24IDW-W-0-576 | | | | | | | | Purgeable Petroleum Hydrocarbons by EPA Method 8015B |
| TPH as Gasoline | 41 | C1, F1, J | 50 | ug/L | B7G0018 | 07/06/07 | 07/06/07 | 8015B/SOP380 |
| Surrogate: a,a,a-Trifluorotoluene | 126 | | 101 % | 70-130% | " | " | " | |



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Quality Control

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------|--------|--------------------------|-----------------------|-------|----------------|------------------|------|----------------|-----|--------------|
|---------|--------|--------------------------|-----------------------|-------|----------------|------------------|------|----------------|-----|--------------|

Prepared & Analyzed: 07/06/07

Batch B7G0018 - 5030 P&T BTX/TPHG -

Purgeable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control

TPH - Purgeable

Blank (B7G0018-BLK1)

| | | | | | | | | | | |
|-----------------|----|---|----|------|--|--|--|--|--|--|
| TPH as Gasoline | ND | U | 50 | ug/L | | | | | | |
|-----------------|----|---|----|------|--|--|--|--|--|--|

| | | | | | | | | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|
| Surrogate: a,a,a-Trifluorotoluene | 130 | | | " | 125 | 104 | 70-130 | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|

LCS (B7G0018-BS1)

| | | | | | | | | | | |
|-----------------|-----|--|----|------|-----|----|--------|--|--|--|
| TPH as Gasoline | 762 | | 50 | ug/L | 800 | 95 | 70-130 | | | |
|-----------------|-----|--|----|------|-----|----|--------|--|--|--|

| | | | | | | | | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|
| Surrogate: a,a,a-Trifluorotoluene | 131 | | | " | 125 | 105 | 70-130 | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|

Matrix Spike (B7G0018-MS1)

Source: 0707006-05

| | | | | | | | | | | |
|-----------------|-----|--|----|------|-----|------|----|--------|--|--|
| TPH as Gasoline | 778 | | 50 | ug/L | 800 | 40.9 | 92 | 70-130 | | |
|-----------------|-----|--|----|------|-----|------|----|--------|--|--|

| | | | | | | | | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|
| Surrogate: a,a,a-Trifluorotoluene | 129 | | | " | 125 | 103 | 70-130 | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|

Matrix Spike Dup (B7G0018-MSD1)

Source: 0707006-05

| | | | | | | | | | | |
|-----------------|-----|--|----|------|-----|------|----|--------|---|----|
| TPH as Gasoline | 765 | | 50 | ug/L | 800 | 40.9 | 91 | 70-130 | 2 | 25 |
|-----------------|-----|--|----|------|-----|------|----|--------|---|----|

| | | | | | | | | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|
| Surrogate: a,a,a-Trifluorotoluene | 127 | | | " | 125 | 102 | 70-130 | | | |
|-----------------------------------|-----|--|--|---|-----|-----|--------|--|--|--|



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Qualifiers and Comments

| | |
|----|---|
| J | The reported result for this analyte should be considered an estimated value. |
| F1 | The sample chromatographic pattern does not resemble the fuel standard used for quantitation. |
| C1 | The reported concentration for this analyte is below the quantitation limit. |
| U | Not Detected |
| NR | Not Reported |